Notice of Allowability	Application No.	Applicant(s)
	10/521,544	SAKAI ET AL.
	Examiner	Art Unit
	Kevin Quinto	2826
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT Rof the Office or upon petition by the applicant. See 37 CFR 1.313 1.   This communication is responsive to 3 September 2009.	(OR REMAINS) CLOSED in this ap ) or other appropriate communication IGHTS. This application is subject t	plication. If not included n will be mailed in due course. <b>THIS</b>
2. ☑ The allowed claim(s) is/are <u>1-3,5,7-11 and 13-15</u> .		
<ul> <li>3.  Acknowledgment is made of a claim for foreign priority unally all blooms. Some* closed None of the:</li> <li>1.  Certified copies of the priority documents have 2.  Certified copies of the priority documents have 3.  Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)).</li> <li>* Certified copies not received:</li> </ul>	e been received. e been received in Application No ocuments have been received in this	national stage application from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements
<ol> <li>A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give</li> </ol>		
5. CORRECTED DRAWINGS ( as "replacement sheets") mus	st be submitted.	
(a) including changes required by the Notice of Draftspers	son's Patent Drawing Review(PTO	-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date	·	
<ul><li>(b) ☐ including changes required by the attached Examiner'</li><li>Paper No./Mail Date</li></ul>	s Amendment / Comment or in the 0	Office action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t		
<ol> <li>DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT</li> </ol>		
Attachment(s)  1. ☐ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	7. 🛛 Examiner's Amend	(PTO-413), te <u>herewith-PTO-413B</u> .



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## **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Thomas Scherer on November 20, 2009.

The application has been amended as follows:

- a) In claim 1, line 14, change "AlGaN barrier layers, in which the AlGaN well layers and AlGaN barrier layers are" to -- AlInGaN barrier layers, in which the InGaN well layers and AlInGaN barrier layers are --.
- b) In claim 9, line 17, change "AlGaN barrier layers, in which the AlGaN well layers and AlGaN barrier layers are" to -- AlInGaN barrier layers, in which the InGaN well layers and AlInGaN barrier layers are --.

## Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on September 3, 2009 has been entered.

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## Allowable Subject Matter

3. Claims 1-3, 5, 7-11, and 13-15 are allowed.

4. The following is an examiner's statement of reasons for allowance: : the examiner is unaware of any prior art which suggests or renders obvious a gallium nitride based compound semiconductor device with a buffer layer adjacent to a gallium nitride based light emitting member which is comprised of a multilayer quantum well structure with at least two indium gallium nitride well layers and two aluminum indium gallium nitride barrier layers (alternately layered) having the explicit composition as described by the applicant in claims 1 and 9.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin Quinto whose telephone number is (571) 272-1920. The examiner can normally be reached on M-F 8AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sue Purvis can be reached on (571) 272-1236. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Kevin Quinto/ Examiner, Art Unit 2826

/Sue A. Purvis/ Supervisory Patent Examiner, Art Unit 2826